

### REMARKS

The enclosed is responsive to the Examiner's Final Office Action mailed on April 28, 2010 and is being filed pursuant to a Request for Continued Examination (RCE) as provided under 37 CFR 1.114. At the time the Examiner mailed the Office Action claims 1-26 were pending. By way of the present response the Applicant has: 1) canceled claims 1-26; and, 2) added new claims 27-44. The Applicant respectfully requests reconsideration of the instant application and the allowance of claims 27-44.

The cancellation of claims 1-26 renders moot the Examiner's rejections. The Applicant notes, however, that new independent claims are directed in part to a synthesizer architecture an embodiment of which is observed in Fig. 4 of the Applicant's specification. The Applicant respectfully submits that the references of record do not disclose the claimed synthesizer architecture presently claimed in independent claims 27, 33 and 39. In an interview held with the Examiner on July 24, 2010 the Examiner essentially agreed that the references of record do not meet all of the limitations presented in newly presented claims 27, 33 and 39 and that a new search would be required.

### CONCLUSION

Applicant respectfully submits that in view of the amendments and arguments set forth herein, the applicable objections and rejections have been overcome. Applicant reserves all rights under the doctrine of equivalents.

Pursuant to 37 C.F.R. 1.136(a)(3), applicant hereby requests and authorizes the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

Respectfully submitted,

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